

BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF HAWAII

-----In the Matter of-----)
)
 PUBLIC UTILITIES COMMISSION)
)
 Instituting a Proceeding to)
 Investigate Implementing a)
 Decoupling Mechanism for Hawaiian)
 Electric Company, Inc., Hawaii)
 Electric Light Company, Inc., and)
 Maui Electric Company, Limited.)
)

DOCKET NO. 2008-0274

PUBLIC UTILITIES
COMMISSION

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FILED

THE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT, AND TOURISM'S
SUBMISSION OF SUPPLEMENTAL INFORMATION

AND

CERTIFICATE OF SERVICE

MARK J. BENNETT
Attorney General of Hawaii

DEBORAH DAY EMERSON
GREGG J. KINKLEY
Deputy Attorneys General
Department of the Attorney
General
State of Hawaii
425 Queen Street
Honolulu, Hawaii 96813
Tel. 586-1180

Attorneys for the Department
of Business, Economic
Development, and Tourism

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**THE DEPARTMENT OF BUSINESS, ECONOMIC DEVELOPMENT, AND TOURISM'S
SUBMISSION OF SUPPLEMENTAL INFORMATION**

The Department of Business, Economic Development, and Tourism ("Department" or "DBEDT"), by and through its Director ("Director") in his capacity as the Energy Resources Coordinator ("ERC"), and through the undersigned Supervising Deputy Attorney General, hereby submits to the Hawaii Public Utilities Commission ("Commission" or "PUC"), supplemental information relating to the estimates of the HECO Companies' fixed costs recovered in the volumetric rates requested during the panel hearings held from June 29, 2009 to July 2, 2009. During the hearing, the Commission requested DBEDT and HECO to coordinate and file the information. After some discussions between the

parties, it was determined that it is best for each party to file their own submittal on the requested information.

DBEDT's estimates of the HECO Companies' fixed costs recovered in the volumetric rates are based on the information provided in the following rate cases:

- (1) HECO's TY 2009 rate case, Docket No. 2008-0083;
- (2) HELCO's TY 2006 rate case, Docket No. 05-0315; and
- (3) MECO's TY 2007 rate case, Docket No. 2006-0387.

DBEDT's submittal provides the estimates of the fixed costs recovered in volumetric rates at both present rates and at proposed rates for each island served by the HECO Companies, and by rate schedule except for HECO's Schedule DS and Schedule P at present rates. HECO confirmed with DBEDT that they do not have and did not file workpapers supporting the determination of the revenues at present rates for these two rate classes in Docket No. 2008-0083.

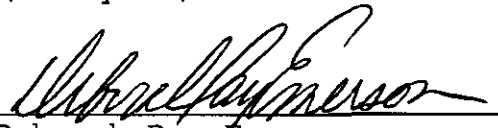
DBEDT interprets "volumetric rates" as referring to the energy rates which are applied to the customers' kilowatt-hour (kWh) consumption. The HECO Companies' rate design is generally based on a two-part tariff which includes a customer charge and energy charge, and a three-part tariff which includes a demand charge in addition to customer and energy charges.

The "fixed costs" as provided in the attached supplemental information refer to non-fuel costs and include customer-related cost, demand-related cost, and the non-fuel costs included in the energy-related costs in HECO's cost of service study such as income taxes and return on rate base. DBEDT would like to note that per HECO, the energy-related costs in the cost of service study filed in TY 2009, Docket No. 2008-0083, also include some demand-side management (DSM) program costs. DBEDT is not a party in Docket No. 2008-0083, and has no comments on the appropriateness of classifying DSM program costs as energy-related costs in the cost of service study used for rate design.

The base fuel cost reflected in this submittal includes fuel expense and purchased energy costs reflected in the energy-related costs in HECO's cost of service study.

DBEDT will provide a discussion of this subject information in its opening brief.

DATED: Honolulu, Hawaii, July 13, 2009.


Deborah Day Emerson
Supervising Deputy Attorney General

Attorney for the Department of Business,
Economic Development, and Tourism

Certificate of Service

I hereby certify that a copy of the Department of Business, Economic Development, and Tourism's Submission of Supplemental Information in Docket Number 2008-0274, will be served by electronic transmission to each of the parties listed below.

CATHERINE P. AWAKUNI
EXECUTIVE DIRECTOR
DEPARTMENT OF COMMERCE AND CONSUMER AFFAIRS
DIVISION OF CONSUMER ADVOCACY
P.O. BOX 541
HONOLULU, HI 96809

DARCY L. ENDO-OMOTO
VICE PRESIDENT
GOVERNMENT & COMMUNITY AFFAIRS
HAWAIIAN ELECTRIC COMPANY, INC.
P.O. BOX 2750
HONOLULU, HI 96840-0001

DEAN MATSUURA
MANAGER
REGULATORY AFFAIRS
HAWAIIAN ELECTRIC COMPANY, INC.
P.O. BOX 2750
HONOLULU, HI 96840-0001

JAY IGNACIO
PRESIDENT
HAWAII ELECTRIC LIGHT COMPANY, INC.
P.O. BOX 1027
HILO, HI 96721-1027

EDWARD L. REINHARDT
PRESIDENT
MAUI ELECTRIC COMPANY, LTD.
P.O. BOX 398
KAHULUI, HI 96732

THOMAS W. WILLIAMS, JR., ESQ.
PETER Y. KIKUTA, ESQ.
DAMON L. SCHMIDT, ESQ.
GOODSILL ANDERSON QUINN & STIFEL

1099 Alakea Street, Suite 1800
Honolulu, HI 96813
Counsel for the HECO UTILITIES

RANDAL J. HEE, P.E., PRESIDENT AND CEO
TIMOTHY BLUME
MICHAEL YAMANE
KAUAI ISLAND UTILITY COOPERATIVE
4463 Pahe'e Street, Suite 1
Lihue, HI 96766-2000

Theodore A. Peck, Energy Program Administrator
ESTRELLA A. SEESE, MANAGER
HAWAII STATE ENERGY OFFICE
STATE OF HAWAII DEPARTMENT OF BUSINESS, ECONOMIC
DEVELOPMENT, & TOURISM
P.O. Box 2359
HONOLULU, HI 96804

KENT D MORIHARA, ESQ.
KRIS N. NAKAGAWA, ESQ.
RHONDA L. CHING, ESQ.
MORIHARA LAU & FONG LLP
841 Bishop Street, Suite 203
Honolulu, HI 96813

MR. HENRY Q CURTIS
MS. KAT BRADY
LIFE OF THE LAND
76 North King Street, Suite 203
Honolulu, HI 96817

MR. WARREN S. BOLLMEIER II, PRESIDENT
HAWAII RENEWABLE ENERGY ALLIANCE
46-040 Konane Place, #3816
Kaneohe, HI 96744

DOUGLAS A. CODIGA, ESQ.
SCHLACK ITO LOCKWOOD PIPER & ELKIND
Topa Financial Tower
745 Fort Street, Suite 1500
Honolulu, HI 96813
Counsel for BLUE PLANET FOUNDATION

MR. MARK DUDA, PRESIDENT
HAWAII SOLAR ENERGY ASSOCIATION
P.O. Box 37070, Honolulu, HI 96837

MR. CARL FREEDMAN
HAIKU DESIGN & ANALYSIS
4234 Hana Hwy
Haiku, HI 96708

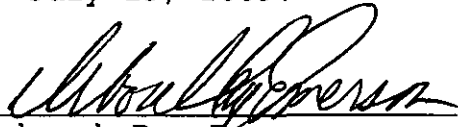
KENT D. MORIHARA, ESQ.
KRIS N. NAKAGAWA, ESQ.
SANDRA L. WILHIDE, ESQ.
MORIHARA LAU & FONG LLP
841 Bishop Street, Suite 400
Honolulu, HI 96813
Counsel for HAWAII BIOENERGY, LLC
Counsel for MAUI LAND & PINEAPPLE COMPANY, INC.

MR. MIKE GRESHAM
HAWAII HOLDINGS, LLC dba FIRST WIND HAWAII
33 Lono Avenue, Suite 380
Kahului, HI 96732

SCHLACK ITO LOCKWOOD PIPER & ELKIND
DOUGLAS A. CODIGA, ESQ.
Topa Financial Center
745 Fort Street, Suite 1500
Honolulu, HI 96813

GERALD A. SUMIDA, ESQ.
TIM LUI-KWAN, ESQ.
NATHAN C. NELSON, ESQ.
CARLSMITH BALL LLP
ASB Tower, Suite 2200
1001 Bishop Street
Honolulu, HI 96813
Counsel for HAWAII HOLDINGS, LLC, dba FIRST WIND HAWAII

DATED: Honolulu, Hawaii, July 13, 2009.


Deborah Day Emerson
Supervising Deputy Attorney General

Attorney for the Department of
Business, Economic Development, and
Tourism
STATE OF HAWAII

**DOCKET NO. 2008-0274 - IMPLEMENTATION OF DECOUPLING MECHANISM
SUPPLEMENTAL SUBMISSION
SUMMARY OF PERCENT OF FIXED COSTS RECOVERED IN VOLUMETRIC RATES
At Present Rates and at Proposed Rates - By Company
(HECO, HELCO, MAUI DIV, LANAI DIV AND MOLOKAI DIV)**

AT PRESENT RATES

	Schedule R/E	Schedule G	Schedule J	Schedule H¹	Schedule P²	Schedule F	Total
HECO	46.2%	37.4%	26.8%	-	-	46.9%	20.1%
HELCO	52.0%	50.9%	40.7%	40.9%	36.5%	55.9%	45.9%
MAUI DIV	37.2%	37.8%	31.0%	31.4%	24.9%	36.6%	32.1%
LANAI DIV	37.0%	40.3%	40.1%	37.1%	26.0%	40.2%	33.3%
MOLOKAI DIV	40.9%	48.8%	39.8%	32.4%	34.0%	44.0%	39.9%
ALL COMPANIES	45.5%	40.3%	29.5%	35.2%	4.6%	46.4%	25.0%

¹ HECO's Schedule H revenues at present rates are allocated to Schedule G and Schedule J.

² HECO's Schedule P at present rates is not available. Molokai's Schedule P includes Schedule N.

AT PROPOSED RATES

	Schedule R/E	Schedule G	Schedule J	Schedule H¹	Schedule P²	Schedule F	Total
HECO	89.0%	75.1%	49.1%	-	48.6%	96.7%	65.0%
HELCO	89.0%	75.2%	67.1%	72.0%	64.2%	98.9%	77.3%
MAUI DIV	91.5%	80.7%	60.5%	72.7%	60.6%	100.6%	75.0%
LANAI DIV	87.9%	77.1%	76.1%	83.3%	38.5%	100.0%	61.4%
MOLOKAI DIV	88.5%	84.8%	69.7%	70.5%	79.4%	100.6%	81.3%
ALL COMPANIES	89.4%	76.1%	53.5%	72.4%	51.3%	97.4%	68.3%

¹ HECO's Schedule H is closed at proposed rates.

² HECO's Schedule P includes Schedule DS. Molokai's Schedule P includes Schedule N.

Source:

HECO: Docket No. 2008-0083, Test-Year 2009

HELCO: Docket No. 05-0315, Test-Year 2008

MECO: Docket No. 2006-0387, Test-Year 2007

**DOCKET NO. 2008-0274 - IMPLEMENTATION OF DECOUPLING MECHANISM
SUMMARY OF FIXED COSTS RECOVERED FROM VOLUMETRIC RATES AT PRESENT RATES
TOTAL FOR ALL HECO COMPANIES (HECO, HELCO, MECO)
SUPPLEMENTAL SUBMISSION**

Line No.	Revenues Recovered (\$000)	AT PRESENT RATES						
		Schedule R/E	Schedule G	Schedule J	Schedule H ¹	Schedule P ²	Schedule F	Total
L1	Energy Charge							
	Base Fuel Charge	\$240,021.00	\$46,328.60	\$225,796.20	\$2,434.70	\$37,522.30	\$3,950.30	\$558,053.10
L2	Non-Fuel Charge (FC)	\$283,769.50	\$52,881.30	\$135,764.50	\$3,204.80	\$36,356.00	\$3,912.90	\$495,869.00
L3 = L1 + L2	Sub total Energy	\$503,790.50	\$99,189.90	\$361,560.70	\$5,639.50	\$73,878.30	\$7,863.20	\$1,051,922.10
L4	Demand Charge	\$0.00	\$0.00	\$72,627.00	\$779.50	\$12,517.00	\$0.00	\$86,023.50
L5	Customer Charge	\$37,501.80	\$19,236.30	\$7,358.70	\$242.80	\$618.60	\$105.80	\$65,064.00
L8 = Σ(L3, L4, L5)	Sub total	\$541,292.30	\$118,426.20	\$441,548.40	\$6,661.80	\$87,113.90	\$7,969.00	\$1,203,009.60
L7	Base Rate Adjustments ¹	\$278,293.60	\$58,997.30	\$243,865.60	\$4,877.40	\$76,860.30	\$4,421.60	\$667,315.80
L8 = L6 + L7	Total Revenues	\$819,605.90	\$177,423.50	\$685,412.00	\$11,539.20	#VALUE!	\$12,390.60	#VALUE!
L9 = L2 + L3	FC as % of Revenues from Volumetric Rates	52.4%	53.3%	37.5%	56.8%	49.2%	49.8%	47.1%
L10	Sales (MWh)	2,975,226.7	583,196.2	2,723,432.6	40,814.2	649,043.1	47,832.2	7,019,545.0
	Allocated Cost Components (\$000)							
L11	Energy Cost	\$529,640.70	\$106,634.80	\$489,506.60	\$7,389.20	\$651,915.90	\$8,391.00	\$1,793,478.20
L12	Demand Cost	\$181,373.90	\$46,165.50	\$183,205.50	\$3,383.00	\$180,398.70	\$3,401.20	\$607,927.80
L13	Customer Cost	\$98,591.10	\$24,623.60	\$12,700.10	\$766.90	\$2,559.50	\$598.70	\$139,839.90
L14 = Σ(L11:L13)	Total Costs	\$819,605.70	\$177,423.90	\$685,412.20	\$11,539.10	\$834,874.10	\$12,390.90	\$2,541,245.90
L15 = L2 + [(L12+L13)+(L11-L1)]	FC Recovered in Volumetric Rates as % of Total Allocated FC	45.5%	40.3%	29.5%	35.2%	4.6%	46.4%	25.0%

¹ Adjustments include Minimum Bill Adjustment, Schedule E adjustment, Apartment House adjustment, voltage adjustments, rider adjustments, power factor adjustments, 2007 Interim Rate Increase for HECO, Firm Capacity Surcharge adjustment for Maui, Fuel Oil Adjustments, and contract adjustment for Lanai Sched P.

² Schedule H is only for HELCO and MECO. Schedule H is closed for HECO. HECO Schedule H revenues at present rates are allocated to Schedules G and J.

³ Schedule P is only for HELCO and MECO and includes Schedule N for MECO's Molokai Division.

Source:

HECO: HECO-2214, pp. 1-6, HECO WP-2214, pg. 19 for Schedule J and HECO-WP-2203, pg. 51, Docket No. 2008-0083

HELCO: HELCO-2017, pp 1-6, HELCO WP-2001, pg. 4, Docket No. 05-0315

MECO: MECO-1816, pp. 1-6, MECO-WP-1802, pg. 64, Docket No. 2008-0387; MECO-1817, pp. 1-6, MECO-WP-1802, pg. 153, Docket No. 2008-0387; MECO-1818, pp. 1-8, MECO-WP-304, pg. 37 for Schedule P/N and MECO-WP-1802, pg. 242, Docket No. 2008-0387

DOCKET NO. 2008-0274 - IMPLEMENTATION OF DECOUPLING MECHANISM
Determination of Fixed Costs Recovered in Volumetric Rates At Present Rates - HECO
SUPPLEMENTAL SUBMISSION

Line No.		AT PRESENT RATES Test-Year 2009						
		Schedule R/E	Schedule G	Schedule J	Schedule DS ²	Schedule P ²	Schedule F	Total
	Revenues Recovered (\$000)							
L1	Energy Charge							
L2	Base Fuel Charge	\$185,665.00	\$34,058.70	\$185,460.50			\$3,333.90	\$408,518.10
L3 = L1 + L2	Non-Fuel Charge (FC)	\$173,302.60	\$28,848.20	\$86,803.10			\$2,900.70	\$291,854.60
	Sub total Energy	\$358,967.60	\$62,906.90	\$272,263.60			\$6,234.60	\$700,372.70
L4	Demand Charge	\$0.00	\$0.00	\$58,604.10			\$0.00	\$58,604.10
L5	Customer Charge	\$25,156.40	\$12,534.10	\$5,505.20			\$105.80	\$43,301.50
L6 = Σ(L3, L4, L5)	Sub total	\$384,124.00	\$75,441.00	\$336,372.90			\$6,340.40	\$802,278.30
L7	Base Rate Adjustments ¹	\$178,879.90	\$35,831.70	\$173,396.70			\$3,181.30	\$389,089.60
L8 = L6 + L7	Total Revenues	\$560,823.90	\$111,272.70	\$509,769.60	*	*	\$9,521.70	\$1,191,387.90
L9 = L2 + L3	FC as % of Revenues from Volumetric Rates	48.3%	45.9%	31.9%			46.5%	41.7%
L10	Sales (MWh)	2,088,400.0	383,100.0	2,086,100.0			37,500.0	4,595,100.0
L11	Base Fuel Charge (\$/kWh)	8.8903						
	Allocated Cost Components (\$000)							
L12	Energy Cost	\$371,548.60	\$70,638.20	\$375,578.90	\$212,511.20	\$322,724.00	\$6,547.20	\$1,359,548.10
L13	Demand Cost	\$122,943.90	\$25,820.00	\$124,849.10	\$44,448.10	\$90,360.80	\$2,794.80	\$411,216.70
L14	Customer Cost	\$66,333.20	\$14,814.80	\$9,341.90	\$194.50	\$681.30	\$180.00	\$81,525.70
L15 = Σ(L12:L14)	Total Costs	\$560,823.70	\$111,273.00	\$509,769.90	\$257,153.80	\$413,746.10	\$9,522.00	\$1,882,288.50
L16 = L2 + [(L13+L14)*(L12-L1)]	FC Recovered in Volumetric Rates as % of Total Allocated FC	46.2%	37.4%	26.8%			46.9%	20.1%

* HECO did not file workpapers for the determination of revenues at present rates for Schedules DS and P.

¹ Adjustments include Minimum Bill Adjustment, Schedule E adjustment, Apartment House adjustment, voltage adjustments, rider adjustments, power factor adjustments, 2007 Interim Rate Increase, Fuel Oil Adjustment, and schedule H adjustment in Schedules G & J. Schedule G includes an allocation of H revenues in \$000 of \$2,850.1. Schedule J includes an allocation of H revenues in \$000 of \$5,333.1.

² Breakdown of Schedule DS and P revenue charges at present rates not available.

Source: HECO-2214, pp. 1-8, HECO WP-2214, pg. 19 for Schedule J and HECO-WP-2203, pg. 51, Docket No. 2008-0083

DOCKET NO. 2008-0274 - IMPLEMENTATION OF DECOUPLING MECHANISM
Determination of Fixed Costs Recovered in Volumetric Rates At Present Rates - HELCO
SUPPLEMENTAL SUBMISSION

Line No.	Revenues Recovered (\$000)	AT PRESENT RATES Test-Year 2006						
		Schedule R/E	Schedule G	Schedule J	Schedule H	Schedule P	Schedule F	Total
L1	Energy Charge							
	Base Fuel Charge	\$33,147.90	\$7,460.90	\$27,019.20	\$1,309.50	\$18,127.00	\$335.00	\$87,399.50
L2	Non-Fuel Charge (FC)	\$50,174.60	\$13,472.30	\$27,813.80	\$1,428.60	\$14,607.90	\$511.50	\$108,108.70
L3 = L1 + L2	Sub total Energy	\$83,322.50	\$20,933.20	\$54,833.00	\$2,738.10	\$32,734.90	\$846.50	\$195,508.20
L4	Demand Charge	\$0.00	\$0.00	\$8,483.20	\$401.30	\$5,472.00	\$0.00	\$14,356.50
L5	Customer Charge	\$7,366.20	\$4,152.90	\$986.00	\$117.80	\$274.50	\$0.00	\$12,897.40
L6 = Σ(L3, L4, L5)	Sub total	\$90,688.70	\$25,086.10	\$64,402.20	\$3,257.20	\$38,481.40	\$846.50	\$222,762.10
L7	Base Rate Adjustments ¹	\$38,888.80	\$8,822.90	\$31,125.00	\$1,548.50	\$19,633.50	\$403.40	\$100,422.10
L8 = L6 + L7	Total Revenues	\$129,577.50	\$33,909.00	\$95,527.20	\$4,805.70	\$58,114.90	\$1,249.90	\$323,184.20
L9 = L2 + L3	FC as % of Revenues from Volumetric Rates	60.2%	64.4%	60.8%	62.2%	44.6%	60.4%	66.3%
L10	Sales (MWh)	435,400.0	98,000.0	354,900.0	17,200.0	238,100.0	4,400.0	1,148,000.0
L11	Base Fuel Charge (\$/kWh)	7.6132						
L12	Allocated Cost Components (\$000)							
	Energy Cost	\$74,564.50	\$16,886.00	\$60,858.70	\$2,954.40	\$40,161.50	\$754.20	\$196,179.30
L13	Demand Cost	\$37,530.60	\$10,885.90	\$33,107.60	\$1,636.20	\$17,334.40	\$480.50	\$100,935.20
L14	Customer Cost	\$17,482.40	\$6,157.10	\$1,560.90	\$215.10	\$619.00	\$35.20	\$26,069.70
L15 = Σ(L12:L14)	Total Costs	\$129,577.50	\$33,909.00	\$95,527.20	\$4,805.70	\$58,114.90	\$1,249.90	\$323,184.20
L16 = L2 + [(L13+L14)+(L12-L1)]	FC Recovered in Volumetric Rates as % of Total Allocated FC	52.0%	50.9%	40.7%	40.9%	36.5%	55.9%	45.9%

¹ Adjustments include Minimum Bill Adjustment, Schedule E adjustment, Apartment House adjustment, voltage adjustments, rider adjustments, power factor adjustments and Fuel Oil Adjustment.

Source: HELCO-2017, pp 1-6, HELCO WP-2001, pg. 4, Docket No. 05-0315

DOCKET NO. 2008-0274 - IMPLEMENTATION OF DECOUPLING MECHANISM
Determination of Fixed Costs Recovered In Volumetric Rates At Present Rates - Maui Div (MECO)
SUPPLEMENTAL SUBMISSION

Line No.	Revenues Recovered (\$000)	AT PRESENT RATES Test-Year 2007						
		Schedule R/E	Schedule G	Schedule J	Schedule H	Schedule P	Schedule F	Total
L1	Energy Charge							
	Base Fuel Charge	\$19,760.60	\$4,418.80	\$12,320.00	\$968.10	\$18,005.50	\$245.30	\$55,718.30
L2	Non-Fuel Charge (FC)	\$37,981.20	\$9,592.30	\$19,415.70	\$1,554.10	\$20,141.90	\$430.50	\$89,115.70
L3 = L1 + L2	Sub total Energy	\$57,741.80	\$14,011.10	\$31,735.70	\$2,522.20	\$38,147.40	\$675.80	\$144,834.00
L4	Demand Charge	\$0.00	\$0.00	\$5,269.10	\$335.60	\$6,850.30	\$0.00	\$12,455.00
L5	Customer Charge	\$4,626.80	\$2,357.50	\$811.40	\$113.30	\$326.70	\$0.00	\$8,235.50
L6 = Σ(L3, L4, L5)	Sub total	\$62,368.40	\$16,368.60	\$37,816.20	\$2,971.10	\$45,324.40	\$675.80	\$165,524.50
L7	Base Rate Adjustments ¹	\$59,547.80	\$13,444.30	\$37,213.40	\$2,938.50	\$53,661.30	\$745.40	\$167,550.70
L8 = L6 + L7	Total Revenues	\$121,916.20	\$29,812.90	\$75,029.60	\$5,909.60	\$98,985.70	\$1,421.20	\$333,075.20
L9 = L2 + L3	FC as % of Revenues from Volumetric Rates	65.8%	68.5%	61.2%	61.6%	62.8%	63.7%	61.5%
L10	Sales (MWh)	430,167.0	96,192.9	268,192.9	21,075.0	391,961.0	5,340.0	1,212,928.8
L11	Base Fuel Charge (\$/kWh)	4.5937						
L12	Allocated Cost Components (\$000)							
	Energy Cost	\$78,827.20	\$17,783.40	\$49,852.60	\$3,873.00	\$71,660.20	\$961.40	\$222,957.80
L13	Demand Cost	\$29,098.00	\$8,603.40	\$23,444.50	\$1,497.50	\$26,256.10	\$120.00	\$89,019.50
L14	Customer Cost	\$13,991.00	\$3,426.10	\$1,732.50	\$539.10	\$1,069.40	\$339.80	\$21,097.90
L15 = Σ(L12:L14)	Total Costs	\$121,916.20	\$29,812.90	\$75,029.60	\$5,909.60	\$98,985.70	\$1,421.20	\$333,075.20
L16 = L2 + [(L13+L14)÷(L12-L1)]	FC Recovered in Volumetric Rates as % of Total Allocated FC	37.2%	37.8%	31.0%	31.4%	24.9%	36.6%	32.1%

¹ Adjustments include Minimum Bill Adjustment, Schedule E adjustment, Apartment House adjustment, voltage adjustments, rider adjustments, power factor adjustments, Fuel Oil Adjustment and Firm Capacity Surcharge adjustment.

Source: MECO-1816, pp. 1-6, MECO-WP-1802, pg. 64, Docket No. 2008-0387

DOCKET NO. 2008-0274 - IMPLEMENTATION OF DECOUPLING MECHANISM
Determination of Fixed Costs Recovered in Volumetric Rates At Present Rates - Lanai Div (MECO)
SUPPLEMENTAL SUBMISSION

Line No.	Revenues Recovered (\$000)	AT PRESENT RATES Test-Year 2007						
		Schedule R/E	Schedule G	Schedule J	Schedule H	Schedule P	Schedule F	Total
L1	Energy Charge							
	Base Fuel Charge	\$741.50	\$176.70	\$563.20	\$49.40	\$902.80	\$10.30	\$2,443.90
L2	Non-Fuel Charge (FC)	\$736.70	\$221.30	\$678.20	\$48.70	\$841.00	\$10.70	\$2,536.60
L3 = L1 + L2	Sub total Energy	\$1,478.20	\$398.00	\$1,241.40	\$98.10	\$1,743.80	\$21.00	\$4,980.50
L4	Demand Charge	\$0.00	\$0.00	\$127.10	\$5.00	\$160.80	\$0.00	\$292.90
L5	Customer Charge	\$123.50	\$55.20	\$20.70	\$1.80	\$4.80	\$0.00	\$205.80
L6 = $\sum(L3, L4, L5)$	Sub total	\$1,601.70	\$453.20	\$1,389.20	\$104.70	\$1,909.40	\$21.00	\$5,479.20
L7	Base Rate Adjustments ¹	\$1,129.90	\$272.00	\$964.60	\$75.80	\$2,229.30	\$15.90	\$4,587.50
L8 = L6 + L7	Total Revenues	\$2,731.60	\$725.20	\$2,253.80	\$180.50	\$4,138.70	\$36.90	\$10,066.70
L9 = L2 + L3	FC as % of Revenues from Volumetric Rates	49.8%	55.6%	54.6%	49.6%	48.2%	51.0%	50.9%
L10	Sales (MWh)	8,182.7	1,949.4	6,214.6	545.0	9,962.7	113.7	28,968.1
L11	Base Fuel Charge (\$/kWh)	9.062						
L12	Allocated Cost Components (\$000)							
	Energy Cost	\$1,849.90	\$448.30	\$1,436.00	\$125.80	\$2,903.90	\$25.20	\$6,789.10
L13	Demand Cost	\$585.50	\$201.30	\$790.90	\$52.30	\$1,230.70	-\$0.30	\$2,860.40
L14	Customer Cost	\$266.30	\$75.60	\$26.80	\$2.40	\$4.10	\$12.00	\$417.20
L15 = $\sum(L12:L14)$	Total Costs	\$2,731.70	\$725.20	\$2,253.70	\$180.50	\$4,138.70	\$36.90	\$10,066.70
L16 = L2 + [(L13+L14)-(L12-L1)]	FC Recovered in Volumetric Rates as % of Total Allocated FC	37.0%	40.3%	40.1%	37.1%	26.0%	40.2%	33.3%

¹ Adjustments include Minimum Bill Adjustment, Schedule E adjustment, Apartment House adjustment, voltage adjustments, rider adjustments, power factor adjustments, special contract adjustment and Fuel Oil Adjustment.

Source: MECO-1817, pp. 1-6, MECO-WP-1802, pg. 153, Docket No. 2006-0387

DOCKET NO. 2008-0274 - IMPLEMENTATION OF DECOUPLING MECHANISM
Determination of Fixed Costs Recovered in Volumetric Rates At Present Rates - Molokai Div (MECO)
SUPPLEMENTAL SUBMISSION

Line No.		AT PRESENT RATES Test-Year 2007						
		Schedule R/E	Schedule G	Schedule J	Schedule H	Schedule P/N	Schedule F	Total
	Revenues Recovered (\$000)							
L1	Energy Charge							
	Base Fuel Charge	\$708.00	\$213.50	\$433.30	\$107.70	\$487.00	\$25.80	\$1,973.30
L2	Non-Fuel Charge (FC)	\$1,574.40	\$727.20	\$953.70	\$173.40	\$765.20	\$59.50	\$4,253.40
L3 = L1 + L2	Sub total Energy	\$2,280.40	\$940.70	\$1,387.00	\$281.10	\$1,252.20	\$85.30	\$6,226.70
L4	Demand Charge	\$0.00	\$0.00	\$143.50	\$37.60	\$133.90	\$0.00	\$315.00
L5	Customer Charge	\$229.10	\$136.60	\$35.40	\$10.10	\$12.60	\$0.00	\$423.80
L6 = Σ(L3, L4, L5)	Sub total	\$2,509.50	\$1,077.30	\$1,565.90	\$328.80	\$1,398.70	\$85.30	\$6,965.50
L7	Base Rate Adjustments ¹	\$2,047.20	\$626.40	\$1,265.90	\$314.60	\$1,338.20	\$75.60	\$5,665.90
L8 = L6 + L7	Total Revenues	\$4,556.70	\$1,703.70	\$2,831.80	\$643.40	\$2,734.90	\$160.90	\$12,631.40
L9 = L2 + L3	FC as % of Revenues from Volumetric Rates	69.0%	77.3%	68.8%	81.7%	61.1%	69.8%	68.3%
L10	Sales (MWh)	13,077	3,953.9	8,025.1	1,994.2	9,019.4	478.5	36,548.1
L11	Base Fuel Charge (\$/kWh)	5.3991						
	Allocated Cost Components (\$000)							
L12	Energy Cost	\$2,852.50	\$878.90	\$1,780.40	\$438.00	\$1,955.10	\$103.00	\$8,005.90
L13	Demand Cost	\$1,215.90	\$674.90	\$1,013.40	\$197.00	\$768.60	\$26.20	\$3,896.00
L14	Customer Cost	\$488.20	\$150.00	\$38.00	\$10.30	\$11.20	\$31.70	\$729.40
L15 = Σ(L12:L14)	Total Costs	\$4,556.60	\$1,703.80	\$2,831.80	\$643.30	\$2,734.90	\$160.90	\$12,631.30
L16 = L2 + {(L13+L14)+(L12-L1)}	FC Recovered in Volumetric Rates as % of Total Allocated FC	40.9%	48.8%	39.8%	32.4%	34.0%	44.0%	39.9%

¹ Adjustments include Minimum Bill Adjustment, Schedule E adjustment, Apartment House adjustment, voltage adjustments, rider adjustments, and power factor adjustments, and Fuel Oil Adjustment.

Source: MECO-1818, pp. 1-8, MECO-WP-304, pg. 37 for Schedule P/N and MECO-WP-1802, pg. 242, Docket No. 2008-0387

**DOCKET NO. 2008-0274 - IMPLEMENTATION OF DECOUPLING MECHANISM
SUMMARY OF FIXED COSTS RECOVERED FROM VOLUMETRIC RATES AT PROPOSED RATES
TOTAL FOR ALL HECO COMPANIES (HECO, HELCO, MECO)
SUPPLEMENTAL SUBMISSION**

Line No.		AT PROPOSED RATES						
	Revenues Recovered (\$000)	Schedule R/E	Schedule G	Schedule J	Schedule H ²	Schedule P ³	Schedule F	Total
L1	Energy Charge							
	Base Fuel Charge	\$482,790.10	\$96,993.40	\$448,201.10	\$7,239.30	\$604,342.00	\$7,891.20	\$1,657,457.10
L2	Non-Fuel Charge (FC)	\$334,952.80	\$69,269.60	\$148,836.80	\$3,692.90	\$141,131.80	\$5,090.50	\$702,974.40
L3 = L1 + L2	Sub total Energy	\$827,742.90	\$166,263.00	\$597,037.90	\$10,932.20	\$745,473.80	\$12,981.70	\$2,360,431.50
L4	Demand Charge	\$0.00	\$0.00	\$124,415.40	\$1,109.60	\$148,321.70	\$0.00	\$273,846.70
L5	Customer Charge	\$40,644.60	\$21,885.20	\$10,125.70	\$301.60	\$2,425.50	\$116.40	\$75,499.00
L6 = Σ(L3, L4, L5)	Sub total	\$868,387.50	\$188,148.20	\$731,579.00	\$12,343.40	\$896,221.00	\$13,098.10	\$2,709,777.20
L7	Base Rate Adjustments ¹	-\$811.60	-\$100.90	-\$5,276.80	-\$4.90	-\$16,829.00	\$17.00	-\$23,006.20
L8 = L6 + L7	Total Revenues	\$867,575.90	\$188,047.30	\$726,302.20	\$12,338.50	\$879,392.00	\$13,115.10	\$2,686,771.00
L9 = L2 + L3	FC as % of Revenues from Volumetric Rates	40.5%	41.7%	24.9%	33.8%	18.9%	39.2%	29.8%
L10	Sales (MWh)	2,975,227	583,196	2,723,433	40,814.2	3,678,043	47,832	10,048,545
	Allocated Cost Components (\$000)							
L11	Energy Cost	\$531,958.80	\$107,103.50	\$492,485.60	\$7,423.90	\$657,418.70	\$8,430.70	\$1,804,821.20
L12	Demand Cost	\$223,037.30	\$52,312.80	\$218,525.00	\$4,070.30	\$219,094.50	\$4,000.80	\$721,040.50
L13	Customer Cost	\$112,579.30	\$28,631.80	\$15,292.40	\$844.20	\$2,878.40	\$683.90	\$160,909.80
L14 = Σ(L11:L13)	Total Costs	\$867,575.40	\$188,047.70	\$726,303.00	\$12,338.40	\$879,391.60	\$13,115.40	\$2,686,771.50
L15 = L2 + [(L12+L13)+(L11-L1)]	FC Recovered in Volumetric Rates as % of Total Allocated FC	89.4%	76.1%	53.6%	72.4%	51.3%	97.4%	68.3%

¹ Adjustments include Minimum Bill Adjustment, Schedule E adjustment, Apartment House adjustment, voltage adjustments, rider adjustments, power factor adjustments and contract adjustment for Lanai Sched P.

² HECO's Schedule H is closed at proposed rates.

³ HECO's Schedule P includes Schedule DS. Molokai's Schedule P includes schedule N.

Source:

HECO: HECO-2214, pp. 1-6 & HECO-WP-2203, pg. 61, Docket No. 2008-0083

HELCO: HELCO-2017, pp. 1-6, HELCO WP-2001, pg. 6, Docket No. 05-0315

MECO: MECO-1816, pp. 1-6, MECO-WP-1802, pg. 65, Docket No. 2006-0387; MECO-1817, pp. 1-6, MECO-WP-1802, pg. 154, Docket No. 2006-0387; MECO-1818, pp. 1-8, MECO-WP-1802, pg. 243, Docket No. 2006-0387

DOCKET NO. 2008-0274 - IMPLEMENTATION OF DECOUPLING MECHANISM
Determination of Fixed Costs Recovered in Volumetric Rates At Proposed Rates - HECO
SUPPLEMENTAL SUBMISSION

Line No.	Revenues Recovered (\$000)	AT PROPOSED RATES Test-Year 2008						
		Schedule R/E	Schedule G	Schedule J	Schedule DS	Schedule P	Schedule F	Total
L1	Energy Charge							
L2	Base Fuel Charge	\$337,554.40	\$61,821.80	\$337,182.80	\$195,477.00	\$294,109.30	\$6,061.20	\$1,232,306.10
L3 = L1 + L2	Non-Fuel Charge (FC)	\$224,796.70	\$41,400.00	\$97,756.20	\$36,038.50	\$68,939.70	\$3,826.40	\$472,757.50
	Sub total Energy	\$562,351.10	\$103,321.80	\$434,938.80	\$231,515.50	\$363,049.00	\$9,887.60	\$1,705,063.60
L4	Demand Charge	\$0.00	\$0.00	\$97,565.40	\$42,661.70	\$80,664.00	\$0.00	\$221,111.10
L5	Customer Charge	\$28,299.20	\$13,846.40	\$7,855.20	\$120.00	\$1,377.80	\$118.40	\$51,614.80
L6 = Σ(L3, L4, L5)	Sub total	\$590,650.30	\$117,168.00	\$540,359.40	\$274,297.20	\$445,310.60	\$10,004.00	\$1,977,789.50
L7	Base Rate Adjustments ¹	-\$647.60	-\$106.00	-\$4,068.20	-\$3,764.40	-\$10,037.60	\$13.20	-\$18,610.80
L8 = L6 + L7	Total Revenues	\$590,002.70	\$117,062.00	\$536,291.20	\$270,532.80	\$435,273.00	\$10,017.20	\$1,959,178.90
L9 = L2 + L3	FC as % of Revenues from Volumetric Rates	40.0%	40.1%	22.5%	16.6%	19.0%	38.7%	27.7%
L10	Sales (MWh)	2,088,400	383,100	2,088,100	1,209,388	1,819,612	37,500	7,824,100
L11	Base Fuel Charge (\$/MWh)	16.1633						
L12	Allocated Cost Components (\$000)							
L13	Energy Cost	\$373,288.40	\$70,962.10	\$377,917.90	\$214,703.40	\$325,392.30	\$6,581.40	\$1,368,855.50
L14	Demand Cost	\$141,465.70	\$26,904.00	\$147,186.40	\$55,581.10	\$109,046.20	\$3,231.10	\$485,414.50
L15 = Σ(L12-L14)	Customer Cost	\$75,238.40	\$17,196.30	\$11,187.70	\$248.40	\$634.10	\$205.00	\$104,909.90
	Total Costs	\$590,002.50	\$117,062.40	\$536,292.00	\$270,532.90	\$435,272.60	\$10,017.50	\$1,959,179.90
L16 = L2 + [(L13+L14)+(L12-L11)]	FC Recovered in Volumetric Rates as % of Total Allocated FC	89.0%	75.1%	49.1%	48.0%	48.8%	96.7%	65.0%

¹ Adjustments include Minimum Bill Adjustment, Schedule E adjustment, Apartment House adjustment, voltage adjustments, rider adjustments, and power factor adjustments.

Source: HECO-2214, pp. 1-6 & HECO-WP-2203, pg. 61, Docket No. 2008-0083

DOCKET NO. 2008-0274 - IMPLEMENTATION OF DECOUPLING MECHANISM
Determination of Fixed Costs Recovered in Volumetric Rates At Proposed Rates - HELCO
SUPPLEMENTAL SUBMISSION

Line No.	Revenues Recovered (\$000)	AT PROPOSED RATES Test-Year 2008						Total
		Schedule R/E	Schedule G	Schedule J	Schedule H	Schedule P	Schedule F	
L1	Energy Charge							
L2	Base Fuel Charge	\$73,098.90	\$16,453.10	\$59,563.80	\$2,887.70	\$39,974.40	\$738.70	\$192,736.60
L3 = L1 + L2	Non-Fuel Charge (FC)	\$80,859.60	\$15,477.40	\$30,908.70	\$1,701.90	\$14,228.20	\$647.60	\$123,823.40
	Sub total Energy	\$134,058.50	\$31,930.50	\$90,492.50	\$4,589.60	\$54,202.60	\$1,386.30	\$316,660.00
L4	Demand Charge	\$0.00	\$0.00	\$14,942.70	\$516.00	\$9,549.40	\$0.00	\$25,008.10
L5	Customer Charge	\$7,366.20	\$5,111.90	\$1,146.40	\$141.80	\$366.00	\$0.00	\$14,132.40
L6 = Σ(L3, L4, L5)	Sub total	\$141,424.70	\$37,042.40	\$106,581.60	\$5,247.50	\$64,118.00	\$1,386.30	\$355,800.50
L7	Base Rate Adjustments ¹	\$132.90	\$1.70	-\$909.00	\$2.50	-\$1,971.40	\$7.30	-\$2,736.00
L8 = L6 + L7	Total Revenues	\$141,557.60	\$37,044.10	\$105,672.60	\$5,250.00	\$62,146.60	\$1,393.60	\$353,064.50
L9 = L2 + L3	FC as % of Revenues from Volumetric Rates	45.5%	48.5%	34.2%	37.1%	25.3%	46.7%	39.1%
L10	Sales (MWh)	435,400	98,000.0	354,900.0	17,200.0	238,100	4,400	1,148,000
L11	Base Fuel Charge (\$/kWh)	16.7889						
	Allocated Cost Components (\$000)							
L12	Energy Cost	\$74,826.10	\$16,948.30	\$61,191.70	\$2,967.30	\$40,344.20	\$757.80	\$197,035.40
L13	Demand Cost	\$48,065.20	\$12,717.90	\$42,326.40	\$2,017.30	\$21,147.30	\$591.70	\$124,885.80
L14	Customer Cost	\$20,666.30	\$7,377.80	\$2,154.50	\$265.40	\$655.10	\$44.20	\$31,163.30
L15 = Σ(L12-L14)	Total Costs	\$141,557.60	\$37,044.00	\$105,672.60	\$5,250.00	\$62,146.60	\$1,393.70	\$353,064.50
L16 = L2 + ((L13+L14)*(L12-L11))	FC Recovered in Volumetric Rates as % of Total Allocated FC	89.0%	75.2%	67.1%	72.0%	64.2%	98.9%	77.3%

¹ Adjustments include Minimum Bill Adjustment, Schedule E adjustment, Apartment House adjustment, voltage adjustments, rider adjustments, and power factor adjustments.

Source: HELCO-2017, pp 1-6, HELCO WP-2001, pg. 6, Docket No. 05-0315

DOCKET NO. 2006-0274 - IMPLEMENTATION OF DECOUPLING MECHANISM
Determination of Fixed Costs Recovered in Volumetric Rates At Proposed Rates - Maui Div (MECO)
SUPPLEMENTAL SUBMISSION

Line No.	Revenues Recovered (\$000)	AT PROPOSED RATES Test-Year 2007						Total
		Schedule R/E	Schedule G	Schedule J	Schedule H	Schedule P	Schedule F	
L1	Energy Charge							
	Base Fuel Charge	\$77,426.60	\$17,314.00	\$48,272.60	\$3,763.30	\$70,549.80	\$961.20	\$218,317.50
L2	Non-Fuel Charge (FC)	\$48,580.50	\$11,355.00	\$18,583.20	\$1,764.60	\$20,393.50	\$538.10	\$99,215.10
L3 = L1 + L2	Sub Total Energy	\$124,007.10	\$28,669.00	\$66,855.80	\$5,527.90	\$90,943.30	\$1,499.30	\$317,532.60
L4	Demand Charge	\$0.00	\$0.00	\$11,381.00	\$522.10	\$14,523.30	\$0.00	\$26,406.40
L5	Customer Charge	\$4,826.60	\$2,711.80	\$1,061.90	\$147.30	\$544.50	\$0.00	\$9,092.10
L6 = L3, L4, L5	Sub total	\$128,833.70	\$31,380.80	\$79,278.70	\$6,227.50	\$106,011.10	\$1,499.30	\$353,031.10
L7	Base Rate Adjustments ¹	-\$290.80	\$3.60	-\$294.10	-\$6.30	-\$1,807.60	-\$3.20	-\$2,398.40
L8 = L6 + L7	Total Revenues	\$128,542.90	\$31,384.40	\$78,984.60	\$6,221.20	\$104,203.50	\$1,496.10	\$350,632.70
L9 = L2 + L3	FC as % of Revenues from Volumetric Rates	37.8%	39.6%	27.8%	31.8%	22.4%	35.9%	31.2%
L10	Sales (MWh)	430,167	96,192.9	268,192.9	21,075.0	391,961	5,340	1,212,829
L11	Base Fuel Charge (\$/kWh)	17.9992						
L12	Allocated Cost Components (\$000)							
	Energy Cost	\$79,113.00	\$17,859.10	\$50,141.10	\$3,891.90	\$72,091.30	\$962.80	\$224,059.20
L13	Demand Cost	\$33,406.00	\$9,709.80	\$28,962.90	\$1,764.10	\$30,988.00	\$143.30	\$102,974.10
L14	Customer Cost	\$15,823.80	\$3,815.50	\$1,880.60	\$565.10	\$1,124.20	\$390.00	\$23,599.20
L15 = L12+L14	Total Costs	\$128,342.80	\$31,384.40	\$78,984.60	\$6,221.10	\$104,203.50	\$1,496.10	\$350,632.50
L16 = L2 + [(L13+L14)/(L12+L14)]	FC Recovered in Volumetric Rates as % of Total Allocated FC	91.5%	80.7%	60.5%	72.7%	60.6%	100.6%	75.0%

¹ Adjustments include Minimum Bill Adjustment, Schedule E adjustment, Apartment House adjustment, voltage adjustments, rider adjustments, and power factor adjustments.

Source: MECO-1818, pp. 1-6, MECO-WP-1802, pg. 65, Docket No. 2006-0387

DOCKET NO. 2008-0274 - IMPLEMENTATION OF DECOUPLING MECHANISM
Determination of Fixed Costs Recovered in Volumetric Rates At Proposed Rates - Lanai Div (MECO)
SUPPLEMENTAL SUBMISSION

Line No.	Revenues Recovered (\$000)	AT PROPOSED RATES Test-Year 2007						
		Schedule R/E	Schedule G	Schedule J	Schedule H	Schedule P	Schedule F	Total
L1	Energy Charge							
L2	Base Fuel Charge	\$1,862.20	\$443.80	\$1,414.30	\$124.00	\$2,267.20	\$25.90	\$6,137.20
L3 = L1 + L2	Non-Fuel Charge (FC)	\$891.20	\$246.80	\$729.40	\$55.00	\$805.20	\$12.90	\$2,740.30
	Sub total Energy	\$2,753.40	\$690.20	\$2,143.70	\$179.00	\$3,072.40	\$38.80	\$8,877.50
L4	Demand Charge	\$0.00	\$0.00	\$206.10	\$8.80	\$410.00	\$0.00	\$624.90
L5	Customer Charge	\$123.50	\$73.00	\$24.90	\$2.30	\$4.80	\$0.00	\$228.50
L6 = $\sum(L3, L4, L5)$	Sub total	\$2,876.90	\$763.20	\$2,374.70	\$190.10	\$3,487.20	\$38.80	\$9,730.90
L7	Base Rate Adjustments ¹	-\$1.20	\$0.10	-\$2.00	-\$0.10	\$869.80	\$0.00	\$866.60
L8 = L6 + L7	Total Revenues	\$2,875.70	\$763.30	\$2,372.70	\$190.00	\$4,357.00	\$38.80	\$10,597.50
L9 = L2 + L3	FC as % of Revenues from Volumetric Rates	32.4%	35.7%	34.0%	30.7%	26.2%	33.2%	30.9%
L10	Sales (MWh)	8,182.7	1,949.4	6,214.6	545.0	9,962.7	113.7	26,968.1
L11	Base Fuel Charge (\$/kWh)	22.7573						
L12	Allocated Cost Components (\$000)							
L13	Energy Cost	\$1,856.20	\$450.80	\$1,444.00	\$126.80	\$2,922.80	\$25.30	\$6,825.50
L14	Demand Cost	\$689.90	\$229.40	\$899.30	\$60.70	\$1,429.50	\$1.00	\$3,309.80
L15 = $\sum(L12, L14)$	Customer Cost	\$329.50	\$83.40	\$29.40	\$2.70	\$4.80	\$12.50	\$462.10
	Total Costs	\$2,875.60	\$763.40	\$2,372.70	\$190.00	\$4,356.90	\$38.80	\$10,597.40
L16 = $L2 + [(L13+L14) \div (L12 \div L1)]$	FC Recovered in Volumetric Rates as % of Total Allocated FC	87.9%	77.1%	76.1%	83.3%	38.5%	100.0%	61.4%

¹ Adjustments include Minimum Bill Adjustment, Schedule E adjustment, Apartment House adjustment, voltage adjustments, rider adjustments, power factor adjustments and special contract adjustment.

Source: MECO-1817, pp. 1-8, MECO-WP-1802, pg. 154, Docket No. 2006-0387

DOCKET NO. 2008-0274 - IMPLEMENTATION OF DECOUPLING MECHANISM
Determination of Fixed Costs Recovered in Volumetric Rates At Proposed Rates - Molokai Div (MECO)
SUPPLEMENTAL SUBMISSION

Line No.	Revenues Recovered (\$000)	AT PROPOSED RATES Test-Year 2007						Total
		Schedule R/E	Schedule G	Schedule J	Schedule H	Schedule P/N	Schedule F	
L1	Energy Charge							
	Base Fuel Charge	\$2,848.00	\$881.10	\$1,747.80	\$434.30	\$1,964.30	\$104.20	\$7,959.70
L2	Non-Fuel Charge (FC)	\$1,724.80	\$790.80	\$859.30	\$171.20	\$726.70	\$85.50	\$4,338.10
L3 = L1 + L2	Sub total Energy	\$4,572.80	\$1,651.70	\$2,607.10	\$605.50	\$2,691.00	\$189.70	\$12,297.80
L4	Demand Charge	\$0.00	\$0.00	\$340.20	\$82.70	\$283.30	\$0.00	\$696.20
L5	Customer Charge	\$229.10	\$142.10	\$37.30	\$10.10	\$12.60	\$0.00	\$431.20
L6 = Σ(L3, L4, L5)	Sub total	\$4,801.90	\$1,793.80	\$2,984.60	\$678.30	\$2,996.90	\$189.70	\$13,425.20
L7	Base Rate Adjustments ¹	-\$4.90	-\$0.30	-\$3.50	-\$1.00	-\$117.80	-\$0.30	-\$127.80
L8 = L6 + L7	Total Revenues	\$4,797.00	\$1,793.50	\$2,981.10	\$677.30	\$2,879.10	\$189.40	\$13,297.40
L9 = L2 + L3	FC as % of Revenues from Volumetric Rates	37.7%	47.9%	33.0%	28.3%	27.0%	38.6%	35.3%
L10	Sales (MWh)	13,077	3,953.9	8,025.1	1,994.2	9,019.4	478.5	36,548.1
L11	Base Fuel Charge (\$/kWh)	21.7788						
L12	Allocated Cost Components (\$000)							
	Energy Cost	\$2,865.10	\$883.40	\$1,790.90	\$438.10	\$1,964.70	\$103.40	\$8,045.60
L13	Demand Cost	\$1,410.50	\$751.50	\$1,150.00	\$228.20	\$802.40	\$33.70	\$4,478.30
L14	Customer Cost	\$521.30	\$158.60	\$40.20	\$11.00	\$12.00	\$32.20	\$775.30
L15 = Σ(L12-L14)	Total Costs	\$4,796.90	\$1,793.50	\$2,981.10	\$677.30	\$2,879.10	\$189.30	\$13,297.20
L16 = L2 + [(L13+L14)+(L12-L1)]	FC Recovered in Volumetric Rates as % of Total Allocated FC	88.5%	84.8%	69.7%	70.5%	79.4%	100.6%	81.3%

¹ Adjustments include Minimum Bill Adjustment, Schedule E adjustment, Apartment House adjustment, voltage adjustments, rider adjustments, and power factor adjustments.

Source: MECO-1818, pp. 1-8, MECO-WP-1802, pg. 243, Docket No. 2008-0387